

7/14/2010 STN International
 Spelling, Abbreviations, Plurals: On

FILE 'INSPEC' ENTERED AT 08:05:37 ON 14 JUL 2010

L1 784 ((CO SS(S) FE SS(S) B SS))/CHI (L) 3/ELC
 L2 63512 "MAGNETORESISTIVE DEVICES"+ALL/CT
 L3 124211 MAGNETORESISTANCE+ALL/CT
 L4 60228 "MRAM DEVICES"+ALL/CT
 L5 261 L1 AND L2
 L6 296 L1 AND L3
 L7 230 L1 AND L4
 L8 380 L5 OR L6 OR L7
 L9 106 L8 AND AMORPH?
 L10 28 L9 AND PY<2004
 L11 28 DUP REM L10 (0 DUPLICATES REMOVED)
 L12 0 CO90FE2080B20
 L13 0 CO90(L)FE20(L)B20
 L14 40451 MRAM OR MAGNETORESIST?
 L15 64494 MAGNETO RESIST? OR ((MAGNETIC OR MAGNETO OR MR) (2A) (MEMOR?
 OR THIN FILM OR DEVICE OR HEAD OR RANDOM ACCESS OR RAM))
 L16 27468 MAGNETORESTRICT? OR MAGNETOELECTR? OR ELECTRIC SENSING
 L17 7796 B3120J/CC
 L18 124462 L14 OR L15 OR L16 OR L17
 L19 406 L1 AND L18
 L20 87 L19 NOT L8
 L21 33 L20 AND AMORPH?
 L22 22 L21 AND PY<2004
 L23 22 DUP REM L22 (0 DUPLICATES REMOVED)
 L24 1428 (COBALT OR CO) (3A) (IRON OR FE) (3A) (BORON OR B)
 L25 179 L24 AND (L18 OR L2 OR L3 OR L4)
 L26 134 L25 NOT (L8 OR L19)
 L27 102 L26 AND PY<2004
 L28 75 L27 AND AMORPH?
 L29 44350 (IMPROV? OR INCREAS? OR ENHANC? OR BOOST? OR GAIN OR MAXIMIZ?
 OR MAXIMIS?) (3A) (READ OR RESIST? OR MAGNETORESIST?)
 L30 3 L28 AND L29
 L31 17 L27 AND AMORPHOUS ALLOY
 L32 15 L31 NOT L30

7/13/2010 STN International
Spelling, Abbreviations, Plurals: On

FILE 'HCAPLUS' ENTERED AT 15:52:13 ON 13 JUL 2010

L1 0 10523281/APPS
L2 0 20060125034/APPS
L3 205 CO90FE10
L4 12 L3 AND (B20 OR BORON)
L5 2 L4 AND PY<2004

FILE 'REGISTRY' ENTERED AT 15:55:07 ON 13 JUL 2010

L6 1 7440-48-4
L7 1 7439-89-6
L8 1 7440-42-8

FILE 'HCAPLUS' ENTERED AT 15:55:42 ON 13 JUL 2010

L9 7104 L6 AND L7 AND L8
L10 49189 (MRAM OR "MAGNETIC MEMORY DEVICES" (L) "MRAM (MAGNETIC RANDOM
ACCESS)") OR MAGNETORESIST? OR MAGNETO RESIST?
L11 45127 (MAGNETIC OR MAGNETO OR MR) (2A) (MEMOR? OR THIN FILM OR
DEVICE OR HEAD OR RANDOM ACCESS OR RAM) OR MAGNETORESTRICT?
OR MAGNETOELECTR? OR ELECTRIC SENSING
L12 31 L9 AND L10
L13 60 L9 AND L11
L14 69 L12 OR L13
L15 21 L14 AND PY<2004
L16 21 DUP REM L15 (0 DUPLICATES REMOVED)
L17 21 SEA L16
L18 21 L17 NOT L5
L19 21884 CO(L)FE(L)B
L20 178 L19 AND L10
L21 399 L19 AND L11
L22 505 L20 OR L21
L23 4 L22 AND (PERCENT? OR RATIO OR PCT)
L24 4 L23 NOT (L5 OR L12 OR L13)

Wed, 14 Jul 2010, 7:40:05 AM EDT

Search History For This Session

- (magnetoresist* OR mr OR mram OR "magnetic memory") AND (cofeb OR cofe OR co90fe10), amorphous (171)
- (magnetoresist* OR mr OR mram OR "magnetic memory") AND (cofeb OR cofe OR co90fe10) (2063)
- "Authors":(ohba OR hosomi OR bessho OR mizuguchi OR higo OR yamamoto OR sone OR kano) AND (cofeb OR co90fe10) (0)

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	37243	mram or magnetoresist\$6 or (magneto adj resist\$6) or (magnetic near2 memor\$3)	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:45
L2	1645	u14-a04	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:45
L3	679	s01-e01b1	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:45
L4	38176	1 or 2 or 3	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:46
L5	133	cofeb or fecob	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:46
L6	1276	co near2 fe near2 b	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:46
L7	6956	(iron or fe or ferro or ferrous or ferric) near5 (cobalt or co) near5 (boron or b)	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:47
L8	7025	5 or 6 or 7	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:47
L9	292	4 and 8	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:47
L10	48	9 and amorph\$5	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 13:47
L11	244	9 not 10	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 14:00
L12	77	11 and (ratio or percent\$4 or "%")	EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2010/07/13 14:00

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	29	co90fe10	EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2010/07/13 15:38
L2	513	b20	EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2010/07/13 15:38
L3	0	1 and 2	EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2010/07/13 15:38
L4	2	co90 adj fe10	EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2010/07/13 15:38
L5	2	1 and boron	EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2010/07/13 15:41